


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 885	5B-1	HARDIN	51	
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT--		


SHEET NO. 25

34 SHEETS


98648

		<b>Illinois Department of Transportation</b> Division of Highway District Nine Materials		<b>SOIL BORING LOG</b>		Page 1 of 3	
ROUTE FAP 885		DESCRIPTION FAP 885 (IL Rte 146) over Big Creek		LOGGED BY Bryan Keller		Date 8/9/00	
SECTION 5B-1		LOCATION SE 14, SW 14, NW 14, SEC. 27, TWP. 12S, RNG. 8E, 3 PM					
COUNTY Hardin		DRILLING METHOD		HAMMER TYPE			
STRUCT. NO. 035-0010 Station 280+80.00		D E P T H H ft		B L O W S Qu (ft)		U C S (tsf)	
BORING NO. A-1S Station 278+83 Offset 10.00 ft L1 Ground Surface Elev. 362.8 ft		M O I S T S (%)		Surface Water Elev. 324.1 ft Stream Bed Elev. ft Groundwater Elev.: First Encounter 318.3 ft Upon Completion 325.7 ft After Hrs. ft		D E P T H H ft	
Augered				A-1S-8 26" Recovery Medium to stiff, very moist, grey, Silty Clay A-6 (continued)		B L O W S Qu (ft)	
360.8				A-1S-9 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		U C S (tsf)	
A-1S-1 16" Recovery Very stiff, moist, brown, Silty Clay A-6 with Gravel				338.3		M O I S T S (%)	
358.3				A-1S-10 27" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		D E P T H H ft	
A-1S-2 18" Recovery Medium, very moist, brown, Silty Clay A-6				335.8		B L O W S Qu (ft)	
355.8				A-1S-11 28" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		U C S (tsf)	
A-1S-3 18" Recovery Medium to stiff, moist, brown, Silty Clay A-6				333.3		M O I S T S (%)	
353.3				A-1S-12 27" Recovery Stiff, very moist, brown to grey, Clay A7-6		D E P T H H ft	
A-1S-4 30" Recovery Medium to stiff, moist, brown, Silty Clay A-6				330.8		B L O W S Qu (ft)	
350.8				A-1S-13 30" Recovery Medium, very moist, grey, Clay A7-6		U C S (tsf)	
A-1S-5 29" Recovery Medium to stiff, very moist, brown, Silty Clay A-6				328.3		M O I S T S (%)	
348.3				A-1S-14 19" Recovery Medium, very moist, grey, Clay A7-6		D E P T H H ft	
A-1S-6 19" Recovery Medium, very moist, brown, Silty Clay A-6				325.8		B L O W S Qu (ft)	
345.8				A-1S-15 24" Recovery Medium to stiff, very moist, brown mottled grey, Silty Clay A-6		U C S (tsf)	
A-1S-7 24" Recovery Medium, very moist, brown, Silty Clay A-6				323.3		M O I S T S (%)	
343.3				320.8		D E P T H H ft	
-20				-40		B L O W S Qu (ft)	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)

		<b>Illinois Department of Transportation</b> Division of Highway District Nine Materials		<b>SOIL BORING LOG</b>		Page 2 of 3	
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COUNTY Hardin		DRILLING METHOD		HAMMER TYPE			
STRUCT. NO. 035-0010 Station 280+80.00		D E P T H H ft		B L O W S Qu (ft)		U C S (tsf)	
BORING NO. A-1S Station 278+83 Offset 10.00 ft L1 Ground Surface Elev. 362.8 ft		M O I S T S (%)		Surface Water Elev. 324.1 ft Stream Bed Elev. ft Groundwater Elev.: First Encounter 318.3 ft Upon Completion 325.7 ft After Hrs. ft		D E P T H H ft	
A-1S-16 27" Recovery Stiff, very moist, brown, Silty Clay A-6 (continued)				320.8		B L O W S Qu (ft)	
320.8				A-1S-17 30" Recovery Medium to stiff, very moist, brown mottled grey, Silty Clay Loam A-6		U C S (tsf)	
A-1S-17 30" Recovery Medium to stiff, very moist, brown mottled grey, Silty Clay Loam A-6				318.3		M O I S T S (%)	
318.3				A-1S-18 30" Recovery Medium to stiff, very moist, brown mottled grey, silty Clay A-6		D E P T H H ft	
A-1S-18 30" Recovery Medium to stiff, very moist, brown mottled grey, silty Clay A-6				315.8		B L O W S Qu (ft)	
315.8				A-1S-19 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		U C S (tsf)	
A-1S-19 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6				313.3		M O I S T S (%)	
313.3				A-1S-20 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		D E P T H H ft	
A-1S-20 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6				310.8		B L O W S Qu (ft)	
310.8				A-1S-21 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		U C S (tsf)	
A-1S-21 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6				308.3		M O I S T S (%)	
308.3				A-1S-22 29" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		D E P T H H ft	
A-1S-22 29" Recovery Medium to stiff, very moist, grey, Silty Clay A-6				305.8		B L O W S Qu (ft)	
305.8				A-1S-23 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6		U C S (tsf)	
A-1S-23 30" Recovery Medium to stiff, very moist, grey, Silty Clay A-6				303.3		M O I S T S (%)	
303.3				283.3		D E P T H H ft	
-60				-80		B L O W S Qu (ft)	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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BBS, from 137 (Rev. 8-99)

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BORING NO. A-1S Station 278+83 Offset 10.00 ft L1 Ground Surface Elev. 362.8 ft		M O I S T S (%)		Surface Water Elev. 324.1 ft Stream Bed Elev. ft Groundwater Elev.: First Encounter 318.3 ft Upon Completion 325.7 ft After Hrs. ft		D E P T H H ft	
A-1S-28 30" Recovery Stiff, moist, grey, Clay A7-6 (continued)				280.8		B L O W S Qu (ft)	
280.8				Bottom of hole = 82.0 feet		U C S (tsf)	
Free water observed at 44.5 feet				Elevation referenced to plans		M O I S T S (%)	
To convert "N" values to "N60" values, multiply by 1.25				-85		D E P T H H ft	
-85				A-1S-25 30" Recovery Stiff, very moist, grey, Clay A7-6		B L O W S Qu (ft)	
A-1S-25 30" Recovery Stiff, very moist, grey, Clay A7-6				295.8		U C S (tsf)	
295.8				Augered		M O I S T S (%)	
Augered				293.3		D E P T H H ft	
293.3				A-1S-26 30" Recovery Stiff, very moist, grey, Clay A7-6		B L O W S Qu (ft)	
A-1S-26 30" Recovery Stiff, very moist, grey, Clay A7-6				290.8		U C S (tsf)	
290.8				Augered		M O I S T S (%)	
Augered				288.3		D E P T H H ft	
288.3				A-1S-27 28" Recovery Stiff, moist, grey, Clay A7-6		B L O W S Qu (ft)	
A-1S-27 28" Recovery Stiff, moist, grey, Clay A7-6				285.8		U C S (tsf)	
285.8				Augered		M O I S T S (%)	
Augered				283.3		D E P T H H ft	
283.3				-80		B L O W S Qu (ft)	
-80				-100		U C S (tsf)	
-100						M O I S T S (%)	

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**BORING LOGS**  
**F.A.P. ROUTE 885 - SECTION 5B-1**  
**HARDIN COUNTY**  
**STATION 280+80.00**  
**STRUCTURE NO. 035-0014**